

# ***COMBUSTIBLE GAS DETECTION SYSTEMS AND METHOD THEREOF***

## **Abstract of Disclosure**

A system and method are provided for monitoring the levels of combustible gas in a gas stream. The system includes means for controlling the relative humidity of the the gas stream to maintain a humidity level in the performance range of combustible gas sensors. A number techniques are illustrated for achieving the humidity control, including, secondary phase separations, mixing the gas with dry air and adjusting of the gas stream temperature.

## Figures